

## B PLANT BOILER No.1 DOME REPLACEMENT

Tender no: **FTP /25/LK**


Cost Code:

Revision<sup>1</sup>: 1. see legend at bottom of page

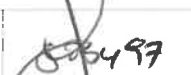

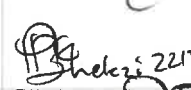


Revised date: 18 November 2025

NAME	TITLE	Empl. No	SIGNATURE	DATE
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### COMPILED – RECOMMENDATION

Zola TP Mtolo	Maintenance Technician	504472		03/12/2025
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### APPROVAL TO PROCEED

Siphiwe M Ntuli	Maintenance Engineer	503497		03.12.2025
Sifiso R Majola	Senior Manager Maintenance	15480		04/12/2025
Precious Buthelezi	Senior Manager Production: Sulphuric	22171		08/12/2025
Charles Mavuso	Senior Manager, SHREQ	504688		10/12/2025
Mdumiseni Maphumulo	General Manager Maintenance & Project, Acid Division	505906		17/02/2026

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## Section A: INVITE AND TENDER INSTRUCTIONS

### A.1 Invitation to tender

A.1.1 Tenderers are invited to submit a tender in accordance with this Tender Document.

The Works consists of the **B Plant Boiler no.1 Replacement**.

The tender Instructions are to be found in **Section A**.

The Contract Works Forms of Tender is stipulated in **Section B**.

The detailed Scope of Work and Specifications are to be found in **Section C**.

The Conditions of Contract are stipulated by **Foskor (Pty) Ltd, Procurement Department**.

A.1.2 At the time of tendering, any queries and/or doubts within the scope, specifications or drawings shall be referred to:

Designation	<b>Category Buyer</b>
For the attention of	<b>Lisu Khumalo</b>
Telephone	<b>035 902 3278</b>
Fax	<b>035 797 3941</b>
Cell no	
Email	<b>LisuK@foskor.co.za</b>

### A.2 Return of Tender Documents

A.2.1 One copy of this document, duly completed and signed by the Tenderer, shall be delivered in a plain sealed envelope, distinctly marked as follows:

<b>TENDER</b>		
Tender No.	<b>FTP /25/LK</b>	<b>The Manager Procurement FOSKOR LIMITED 21 John Ross Parkway Richards Bay</b>
Contract Title:	<b>B Plant Boiler no.1 Replacement</b>	
Closing Date & Time:		

A.2.2 Tenders shall be placed in the **Tender Box at Foskor Richards Bay Main Administration Reception** no later than **12h00 noon** on the closing date.

**A.2.3 A tender sent by fax shall not be accepted.**

- In case of Tenderers not being local, and not being able to hand deliver tender documents to the above-mentioned location, Tenderers may use an approved document courier for the purpose of delivering the tender document to Foskor (Pty) Ltd. This would be subject to auditable proof of dispatch from the Courier Company (including time and date of dispatch).
- Such proof shall be faxed and confirmed as addressed to Superintendent: Tenders and Contracts, FOSKOR (PTY) LTD, 21 John Ross Parkway, Richards Bay, facsimile number as indicated under item A.1.3 before the closing time and date of the tender.
- Foskor shall take no responsibility for lost courier documents – prior to opening of tenders – and onus rests on Tenderer to keep duplicate of Tender Submission.
- In this case the sealed envelope shall remain addressed as per paragraph A.2.1, and shall be placed in a sealed courier bag with the following street address delivery instructions:

**FOSKOR (PTY) LIMITED – (TENDER BOX)**  
**21 John Ross Parkway**  
**Richards Bay**  
**3900**

**A.2.4 Tenders will not be opened in public and under no circumstances will the price(s) at which any Contract was awarded be divulged to any person.**

**A.2.5 In the event that the Tenderer did not submit a tender or if his tender was unsuccessful, the Tenderer shall return the Enquiry Document and Drawings within 14 days to the Superintendent: Tenders and Contracts .**

**A.3 Site Inspection**

An official Site inspection shall be held at the **Foskor, Richards Bay** site for the Tenderer to fully acquaint himself with prevailing site and works conditions. In so doing you are to ensure that you fully understand the context and extent of the works (refer B.5 – Site Inspection Certificate).

Date of Site Visit

Time of Site Visit

Meeting Venue

From :	To :
<b>Report at Main Security Entrance</b>	

Please wear the following protective clothing:

Overalls (Acid Proof),  
 Hard Hat

<b>Yes</b>
<b>Yes</b>

Safety Shoes	Yes
Safety Glasses	Yes
Hearing protection	Yes
Gloves	Yes

## IMPORTANT

- Please note that a Safety Induction is MANDATORY and all Tenderers to allow at least **2 hours** before the Site Meeting starts to complete the induction.

### **A.4 Examination and Completion of Documents**

- A.4.1 The Tenderer shall examine all documents forming part of the tender and submit his tender accordingly. All drawings, addendums, annexures received with the tender documents must be returned with your company stamp and/or signature, as a comprehensive part of your tender submission. Failure to do so may result in disqualification from tender. Tender in accordance with this format and submit documents as specified.
- A.4.2 The Sections of this document shall not be separated in any way, nor shall any pages be detached therefrom.
- A.4.3 The Tenderers submission is to include all Financial and Contractual details and be signed (by authorized person) and/or company-stamped together with tender submission.
- A.4.3.1 Cost Breakdown of the Works as per the Cost Schedule
- A.4.3.2 Work Methodology, and Cash Flow (structured similarly to payment terms)
- A.4.3.3 Schedule of Similar Contracts Undertaken

### **A.5 Contract Documents Priority**

The eventual Contract shall comprise the documents as stated in this tender document, your Tender submission by which you agree and the Foskor (Pty) Ltd Terms and Conditions, which shall be interpreted in accordance with the order of priority stated in the said Conditions.

### **A.6 Alterations by Tenderer**

- A.6.1 Should the Tenderer propose any departures or modifications from the Conditions of Contract, Specifications, or to qualify his tender in any way, he/she shall set out his/her proposals clearly in the covering letter attached to this Tender with reference to the particular section of the document, failing which the tender will be deemed to be unqualified. Any proposed technical departures from Foskor (Pty) Ltd.'s Requirements or Specifications shall only be considered if submitted in writing together with a detailed motivation for such departures.
- A.6.2 The Tenderer shall include in respect of each proposed alteration the following:

- a) Reason for proposed exception.
- b) Suggested re-wording.
- c) Any effect on the tender price.
- c) Any effect on the execution of the scope of supply.
- d) Any effect on Foskor's overall program objectives.

If any of the above information is not supplied, the Tender may be regarded as non-compliant.

#### **A.7 General**

- A.7.1 Foskor (Pty) Ltd reserves the right to adjust to arithmetical or obvious errors in the tender. Such adjustments made by Foskor (Pty) Ltd will be communicated to the tenderer prior to the acceptance of his tender.
- A.7.2 The tenderer (whether his tender is accepted or not) shall treat the details of the tender as private and confidential and no copies shall be made without the permission of Foskor (Pty) Ltd.
- A.7.3 Foskor (Pty) Ltd is not bound to accept the lowest or any other tender it may receive, nor to assign a reason for the rejection or acceptance of any tender, and Foskor (Pty) Ltd has the right, after tenders are opened, and before a Contract is awarded, to enter into negotiations and discussions with one or more tenderers short-listed on a price, programme or technical basis, with a view to the clarification, improvement or amendment of any particular tender.
- A.7.4 All tenderers tender at their own risk and Foskor (Pty) Ltd is not bound to accept any tender and under no circumstances whatsoever will be responsible for any costs incurred by any tenderer in compiling or submitting the tender.
- A.7.5 Furthermore, Foskor reserves the right to accept only a part of the tender, with due communication and agreement of the tender.
- A.7.6 The tenderer is required to submit a 'bona fide' tender, intended to be competitive and not to fix or adjust the amount of the tender by or under or in accordance with any agreement or arrangement with any third party. The tenderer is also obliged to ensure that it has not and will not at any time before the hour and date for the lodging of this tender do any of the following acts:
  - a) Communicate to any person the amount or approximate amount of the proposed tender except where the disclosure, in confidence, of the amount of this tender was necessary for the preparation of the tender.
  - b) Enter into any agreement or arrangement with any third party that shall disqualify from or that Foskor shall refrain from using.

- 
- c) Commit any act or omission that would be contrary to the Maintenance and Promotion of Competition Act 96 of 1979, and notices and regulations published in terms of that Act,



## Section B: FORMS OF TENDER TO BE SUBMITTED

### B.1 Schedule of Rates or Summary of Bill of Quantities

	From Bill of Quantities – if applicable or →	qty	x rate =	ZAR
<b>1.0</b>	<b>SUB TOTALS:</b>			
1.00	Preliminary & General			
1.01	Fabricate & supply			
1.02	Installation and Commissioning			
	<b>Sub Totals Sum (Excluding VAT)</b>			
	<b>Add: VAT</b>	<b>15%</b>		
	<b>Total Tender Sum (Including VAT)</b>			

- B1.1 In the event of there being any obvious errors of pricing, extensions or additions in the priced Cost Schedule attached, we agree to their being corrected, and the contract amount altered accordingly.
- B1.2 We further undertake that this tender cannot be withdrawn or retracted for **90** (ninety) days from the closing date.
- B1.3 Notwithstanding that, this tender is submitted by invitation, it is clearly understood and agreed that there is no obligation upon Foskop to accept the lowest or any tender.
- B1.4 The tendered prices are fixed and firm for the duration of the contract, and unless otherwise agreed to in writing a 10% retention (held for 18 months, unless otherwise specified), *shall* be deducted on all payments made for the Liability Period as defined in B.2. This clause also refers to 'Handover' as specified in **B 2.1**
- B1.5 Unless or until a formal agreement is prepared and signed, this tender, shall serve as your written acceptance and constitute a binding contract between Foskop and Yourself.

Amount In Words:

Signed at .....on.....

Signature .....  
For and on behalf of the Tenderer (duly authorized)

.....  
Company Stamp

## B.2 Initial Project Program of Works, Work Methodology and Cash Flow

(This is a workable schedule, and the Contractor is in no way obligated to these dates. An obligatory final programme will only be required once the tender is awarded)

**Commencement Date** (Guide: 6 weeks from tender close date)

**Within 7 days from receipt of Purchase order.**

**Completion of Works/ Final Handover** (Guide: Project duration)

**16 Weeks**

### TO BE SUBMITTED WITH THIS TENDER

The Tenderer shall submit with this Tender:

1. CIDB 3ME Registration Certificate
2. Certificate of Registered SAIW Welding and Fabrication Inspector Level 2
3. SACPMP Registered Safety Officer
4. ISO 3834 Certification
5. Methodology (inclusive of Fabrication & Installation)
6. ISO 9001 Accreditation
7. Bar Chart/Gant Chart
8. Quality Control Plan
9. Reference Letter (Similar Contract Undertaken)
10. Personnel qualifications

### OTHER IMPORTANT NOTES

- **'Defects Liability Period'** shall be that period in force for Foskop to call upon the Contractor/Consultant to rectify at no cost to Foskop (Pty) Ltd any defects of workmanship, quality or practice; and shall remain in force **in parallel with the Retention Period** and any other duration agreed to.
- The Tenderer is to list and motivate any deviations in terms of Project Program and/or time allowed and this is subject to approval by the Foskop (Pty) Ltd Engineer.
- It would be expected, in the event of critical work and/or work behind programme/schedule, should such be attributable to the Contractor, to make up the time and work and complete the work at no cost to Foskop (Pty) Ltd.
- The Tenderer shall within **7 (seven)** days of contract award submit a final detailed work methodology and programme, and the final work methodology shall be verified and approved by Foskop (Pty) Ltd.

- The Tenderer is welcome to propose alternatives work methodology or approach to work, that may be of mutual benefit. This would be submitted in the form of an Alternative (clearly marked); however, the Tenderer is **still to submit a tender in the form specified** in this tender.
- The Tenderer shall submit a Work Breakdown Structure (WBS) and compile a programme (use MS Projects).
- If the Tenderer is partially or wholly responsible for the design or design drawings according to which construction is specified, any corrections to design/design drawings shall remain for the Tenderers account for a period of 6 months (or as otherwise agreed) after project completion. This is to ensure that poor design or inaccuracy of designs is rectified at no cost to FOSKOR.

## B.2.1 Project Completion and Handover; Retention

Unless otherwise agreed, Project Completion (handover), shall be deemed to be from date of FOSKOR issuing a Project Complete/Handover Certificate to the Contractor. This should be expected to be received within seven (7) days from date of receipt by FOSKOR of the complete Data Pack in its acceptably certifiable form (refer Section C of this document, **Quality Control**). Once the project has reached completion as defined by this scope, onus rests on the Tenderer to request from FOSKOR a Project Complete/Handover Certificate, which receipt shall define and signify the commencement of Retention Period.

## B.2.2 Initial Program to be Submitted

The interim and final project completion dates, as indicated in the above table should be used as the guideline for the Tenderer to compile the detail project schedule.

After the contract agreement is accepted (by signature of an agreement or acceptance of a Purchase Order) the dates shall be fixed and shall be applicable to the penalty clause as per agreement.

## B.3 Schedule of Key Personnel on the Project

The Tenderer shall:

1. Complete schedule below concerning the Key Personnel on the project, indicating also if the person is employed by the tenderer, a sub-contractor or temporary employed person.
2. Submit a project organogram showing relationships and authority.

Key Personnel	Name and surname	Full/Part Time on site, off-site?	Employed, Sub-Contractor or Temp?	Years Related Experience
Project Manager				

Project Supervisor				
Safety Officer				
Quality Assurance				
Document Controller				

These people shall not be substituted without prior consultation with and approval from Foskor (Pty) Ltd. Failure to submit this information at the time of term could lead to disqualification of the tender.

#### B.4 Schedule of Similar Contract Undertaken

Please provide a list of work done on contract of which the Scope of Works is similar to the one described in this document (or attach references).

[illegible]

## B.5 Site Inspection Certificate – To be signed by Tenderer

This is to **CERTIFY**, that we.....  
(Name (s) in CAPITAL LETTERS) (Referred to on the Form as "We")

representing and being duly authorized by:

.....  
(Name of Company and Address) (Referred to on the Form as "We")

1. Visited the SITE on ..... (date).
2. Received the TENDER Documents (including all attachments and subsequent correspondence related to this tender).
3. Carefully examined the SITE and made us familiar with all local conditions likely to influence the WORKS and the cost thereof.

We CERTIFY that we are satisfied with the description of the WORKS and explanations given by Foskor (Pty) Ltd and that we fully understand the nature of this TENDER.

I/We are,

Yours faithfully

SIGNATURE: \_\_\_\_\_

ON BEHALF OF: \_\_\_\_\_

DATE: \_\_\_\_\_

AS WITNESS: \_\_\_\_\_

---

## **Section C: SCOPE OF WORKS**

### **C.1. Background, Present Situation and Proposed Solution**

#### **C.1.1 Background and Present Situation**

The dome of the Sulphuric B Plant Boiler was put in place in 2001. The Sulphuric waste heat Boiler serves to reclaim heat from the gas emitted by the Sulphur burner and to regulate the 1st pass temperature in the converter. During temperature regulation, superheated steam is generated and utilized in facilities as a secondary product.

The dome of Sulphuric B Plant Boiler No.1 is severely corroded and compromised, causing gas leaks that impact safety and the environment in the plants. The dome has undergone patch repairs multiple times, but it has degraded to such an extent that fixing it has become increasingly challenging

#### **C.1.2 Proposed Solution: Reason for this Tender**

The proposed solution to address the above is for a suitably qualified contractor with adequate skill & resources to be appointed to remove & replace the Sulphuric B Plant Boiler no.1 Dome. The main purpose of this replacement is to ensure that the Sulphuric Acid Plants complies with the applicable environmental regulations as per NEMA acts.

#### **C.1.3 Project Requirements**

The main purpose of this scope of work is for the contractor to fabricate, supply, install and commission Boiler No.1 Dome for Sulphuric B Plant.

- Bar Chart/Gantt Chart
- Methodology
- Manufacture/Fabrication drawings.
- Quality Control Plan
- Manufacturing schedule
- Transporting to Foskor Richards Bay

- Installation Schedule & Commission
- Handover

**C.1.4 The Scope of Work -General**

The scope of work is to fabricate, supply, install and commission Boiler no.1 Dome for Sulphuric B Plant and shall consist of but not limited to these following:

- Prepare and submit detailed methodology for manufacturing.
- Obtain Foskor Approval for drawings.
- Prepare and submit detailed manufacturing schedule.
- Prepare and submit detailed quality control plan.
- Obtain approval from Foskor for quality control plan.
- Take any necessary measurements prior to any fabrication.
- Appoint own SANAS certified AIA.
- Procure all necessary materials based on the approved drawings issued by Foskor.
- Submit all drawings to Foskor before any construction commences.
- Prepare and submit methodology for installation.
- Prepare and submit quality control plan for installation.
- Prepare and submit safety files to Foskor for installation preparations.
- Supply your own transportation for deliveries to Foskor.
- Make provision for all necessary personnel resources and tools for removal (cutting) & installation of Boiler Dome.
- Ensure involvement of Foskor appointed AIA during installation.
- Ensure to cut & dispose the Boiler Dome at Foskor designated area.
- Produce & submit certificate of conformity (CoC) state the products meet the required standards and specifications.

## Exclusions

The following items shall be excluded from this scope of work:

- Cranage
- Insulation (Lagging and Cladding).
- Scaffolding
- Bricks insulation
- AIA (Foskor appointed)

### C.1.5 Design Plant Information

The following drawings, data and/or manuals may be referred to for information to but remain the property of Foskor (Pty) Ltd and shall be returned to Foskor (Pty) Ltd on completion of the work.

Drawing No.	Title / Description	Revision
TRB1024	Sulphuric Acid Plant Boiler No.1 Gas inlet chamber details	
DRW 2686-121-R17	Boiler No.1 Gas inlet chamber details	D

### C.1.6 Applicable Legislation, Standards and Codes of Practice

Latest revisions or amendments of the listed codes and specifications are applicable to this contract:

Number	Title / Description	Revision
ACT 85 1993	Occupation Health and Safety Act	<b>Latest</b>
SANS347	Categorization and conformity assessment criteria for all pressure equipment	<b>Latest</b>



ASME VIII Div 1	Rules of Construction of Pressure Vessels	<b>Latest</b>
ISO 9000	Quality system series	<b>Latest</b>
ISO 14001	Environmental management systems	<b>Latest</b>
OSHAS 18000	Safety Managements	<b>Latest</b>
COP6	Control of Contractor	<b>Latest</b>
SABS 1200	All relevant specifications	<b>Latest</b>
ISO 3834	Quality Requirement for Welding	<b>Latest</b>

## C.1.7 Applicable Foskor Specifications

All work listed in this scope of work shall be completed in accordance with the specifications listed below.

Those specifically applicable to this Tender is **marked with "YES"**, however it does not exclude other specification listed or implied, and it remains the Tenderer's responsibility to ensure that work execution and tender prepared is in line and meets the requirements of all standards indicated or not.

ENGINEERING QUALITY/STANDARDS INDEX			
Spec. No.	Description	Revision	Applicable
FC 005	General Earth Works to Plant and Building	Latest	
FC 016	General Road Works	Latest	
FC 021	General Specification for Terrace Construction	Latest	
FD 001	Design Criteria for Structures	Latest	
FG 001	General Requirements for Projects	Latest	
FL 001	Ladders and walkways	Latest	
FM 001	General Mechanical Specification	Latest	<b>YES</b>
FM 002	Rubber lining of Vessels and Piping	Latest	

FM 003	Welding of Fabricated Equipment	Latest	YES
FM 273	Fire Tube Waste Heat Boiler	Latest	YES
FM 432	Insulation of Vessels and Piping	Latest	
FQ 001	General Engineering Quality Requirements	Latest	YES
FQ 002	Non-Destructive Testing	Latest	YES
FS 001	Fabrication and Erection of Structural Steel	Latest	
FS 002	Specification of Roof and Side Cladding	Latest	
FT 001	Trestles and Access Platforms	Latest	
FV 001	Requirements Vessels, Tanks and Heat Exchangers	Latest	
FY 001	Design/Fabrication of Piping	Latest	
<b>Painting Specifications</b>			
MC 001	Colour Coding Richards Bay	Latest	
MC 002	Scope of Corrosion Protection Richards Bay	Latest	
MC 003	Painting High Spillage Areas	Latest	
MC 004	General Plant Painting Specification Low Temperature	Latest	
MC 005	General Plant Painting Specification High Temperature	Latest	
MC 006	Repair Damaged Steel Work	Latest	YES
MC 007	General Steel Denso Wrap System	Latest	
MC 008	Pipe/Flange Protection Denso Wrap System	Latest	
MC 009	General Plant Protection High Corrosive Areas	Latest	
MC 010	Painting Tank Grillage	Latest	
MC 011	Internal Painting of Tanks with Demineralised Water	Latest	
<b>Electrical Specifications</b>			

E 001	Low and Medium Voltage Motors	Latest	
E 002	400V AC Distribution Switchgear & MCC's	Latest	
E 003	Industrial Electrical Installations	Latest	
E 004	Low Voltage Power and Control Cable	Latest	
E 005	Electrical Design Guidelines	Latest	
E 006	Low Voltage Distribution Boards	Latest	
E 007	A. C. Variable Speed Drive Systems	Latest	
E 008	Luminaries	Latest	
E 012	Standard Specifications for Soil Resistivity Survey	Latest	
E 014	11 kV Indoor Switchgear	Latest	
E 015	3,3 kV Indoor Switchgear and MCC's	Latest	
E 016	Distribution Transformers	Latest	
E 017	Batteries and Charges	Latest	
E 018	Static Uninterruptible A.C. Power Supplies	Latest	
E 019	Diesel Generators Sets	Latest	
E 021	Soft Start Equipment	Latest	
E 022	Review of 132kV. Harmonic Filter and Power factor Correction System	Latest	
E 023	Earth and Lighting Protection	Latest	
E 024	Lighting and Small Power	Latest	
E 025-01	Cable Ladder Rack and Accessories	Latest	
E 025-A	Cable Ladder Rack and Accessories and Installation Materials	Latest	
E 026	Medium Voltage Cables - 11k (XLPE)	Latest	
E 027	11kV/400V Construction Power Supply	Latest	
E 028	Signage for Substations	Latest	

E 029	Low Voltage and Medium Voltage Cable reticulation Installation	Latest	
E 030	Operating Requirements for Electrical Room Layout	Latest	
E 031	Electrical Part of Package Unit	Latest	

The Contractor is referred to the specifications mentioned for full descriptions of materials and methods referred to in these Bills of Quantities/Lump Sum documents, insofar as they apply.

The Contractor is advised to study the referred to specifications before pricing Bills of Quantities/Lump Sum documents.

No claim whatsoever will be allowed in respect of errors in pricing due to brevity of description of items in the Bills of Quantities/Lump Sum documents which are fully described when read in conjunction with the relevant Preambles and/or Specifications.

Suppliers of materials and the like, whose quality systems apply with one or more of the SABS/SANS ISO 9001 Series should be used whenever possible in the absence of a particular SABS/SANS Specification Standard Mark.

The Contractor is hereby informed that where SABS/SANS Specifications are referred to in these Bills of Quantities/Lump Sums documents and Specifications thereto, then ONLY the Specification of Work Clauses will apply. The method of measurement and payment clauses will NOT apply to this Contract.

#### **C.1.8 Foskor SHREQ Requirements**

The following are safety requirements that must be adhered to:

- A safety plan for the work to be done by the contractor.
- The contractor must appoint a qualified Safety Officer with at least Diploma in Safety Management or SAMTRAC or both either on a full-time or part-time basis to conduct the following responsibilities:
  - Conduct and submit audits monthly.
  - Conduct and submit inspections monthly.
  - Compile and submit a monthly safety report to Safety Department.

- Perform safety talks and awareness training and submit evidence to Foskor.
- Visibility on Site.
- Conduct inspections on PPE and provide evidence to Foskor.
- Continuously update Safety File.
- A contractor submits a comprehensive task-based risk assessment that has acknowledged the Foskor baseline risk assessment and method statement.
- A contractor to appoint a full-time Supervisor to manage and supervise all the activities of his/her employer.
- All new work activities must have scope of work and communicated to Safety Department before starting with the work with exception of emergency breakdowns.
- All maintenance emergency work and consultants are exempted from the above-mentioned safety requirements.

**NB:** A contractor that has been awarded work must register with HSEC Online, which is a contractor management system for Foskor Acid Division where all contractors are required to submit their safety files.

#### **C.1.9 Tender Deliverables**

The following documentation shall be returned by all Tenderers together with their offers:

- Work Methodology clearly indicates all the activities to be carried out.
- Company Profile (If supplier has not previously supplied similar product to Foskor Richards Bay).
- CIDB 6ME Registration Certificate
- Certificate of Registered SAIW Welding and Fabrication Inspector Level 2
- SACPMP Registered Safety Officer
- ISO3834 Certification
- Quality Control Plan
- Reference Letter (Similar Contract Undertaken)
- Personnel qualifications

- 
- Details of insurance (Workmen Compensation)

**C.2 Site Conditions**

It will be imperative for the successful Tenderer to liaise with the Foskor (Pty) Ltd.'s designated team leader (Foskor representative) to ensure safety whenever site access is required. Full acid-resistant PPE (personal protective equipment/clothing) must be always worn/used. Be cautious of Foskor equipment, employees and contractor employees always doing their routine maintenance and daily duties in the area.

As it will be deemed that the prevailing conditions have been considered when tendering, no claims for extras arising from failure to observe all site conditions will be admitted.

## C.3 Services which are known to exist on the site

The following services exist on the site:

<b>C.3.1 Foskop Supplied Services Foskop (Pty) Ltd shall be responsible for:</b>		<b>Applicable:</b>
<b>1</b>	Supply a copy of the relevant Foskop Procedure Specification(s).	<b>refer C1.7</b>
<b>2</b>	Supply a copy of <b>reference</b> drawings if required.	<b>referred to C1.5</b>
<b>4</b>	Provide access to electricity connection points <ul style="list-style-type: none"> <li>Any connection and consumption will be monitored by Tenderer and verified by Foskop on defined intervals (usually at the beginning and end of contract)</li> </ul>	<b>YES</b>
<b>5</b>	Provide access to potable water <ul style="list-style-type: none"> <li>Connection and consumption would need to be monitored by Successful Tenderer (Contractor) and verified by Foskop on intervals (usually at the beginning and end of contract) defined by Foskop</li> </ul>	<b>YES</b>
<b>6</b>	Provide a suitable area for site establishment for Successful Tenderer (Contractor). <ul style="list-style-type: none"> <li>Successful Tenderer to formally in writing motivates, request and define the area and services it deems necessary for site establishment.</li> <li>Foskop will at its own discretion (if request is approved) allocate a site establishment area, however Foskop should it deem necessary retract or re-define its approval by giving reasonable notice to the successful Tenderer</li> </ul>	<b>YES</b>
<b>7</b>	Provide access to ablutions facilities. (not changing rooms) <ul style="list-style-type: none"> <li>Successful Tenderer (Contractor)'s workers to be fully dressed in required PPE when coming on site.</li> <li>The successful Tenderer to ensure that its workers/subcontractors'/ supplier that are making use of facilities do so in an orderly and well-mannered way.</li> <li>Successful Tenderer is not allowed to make use of Foskop's change room or tearoom facilities unless agreed to in writing.</li> <li>The successful Tenderer might be called on to assist with the maintenance and cleaning of ablutions, should Foskop at its discretion believe it be necessary. Cost associated with such cannot be claimed from Foskop (Pty) Ltd.</li> </ul>	<b>YES</b>
<b>8</b>	Assist in issuing of work clearances and HIRA certificates.	<b>YES</b>



## C.4 Successful Tenderer (Contractor) Responsibilities

The successful Tenderer (Contractor) shall be responsible for (inter alia):		Applicable:
1	Fabricate, Supply, Install & Commission Boiler No.1 Dome for Sulphuric B Plant	YES
2	Ensuring that all acceptance approvals as per the Quality Control Policy (QCP) are received before work is finally handed over.	YES

Note that concerning above:

- i. No claims against losses will be made.
- ii. All items that Successful Tenderer will bring to Foscok (Pty) Ltd will be subjected to review and approval by Foscok (Pty) Ltd and shall conform to Foscok procedures.

## C.5 Certification by Recognized Bodies

Only Tenderers registered with the relevant Body i.e. SAIW and will be accepted and permitted to do work under this contract.

## C.6 Requirement for the termination, diversion, or maintenance of existing services

The Contractor must immediately bring to Foscok's attention any previously unspecified or obstructing services existing in his area of work and without terminating/diverting/hindering such services.

## C.7 Nominated Sub-Tenderers

Should the tenderer anticipate using Subcontractors for any part of the scope, these must be specified below.

The following Sub-Tenderers are nominated:

Contractor	Concerning Works	Contact

## C.8 Invoicing and Payment

Payment will be made by Foscok (Pty) Ltd, after approval (with consideration for the construction, completion and defects corrections of the Works) by the Foscok (Pty) Ltd's



Project Representative (i.e. Engineer, Project Supervisor) of the submitted Payment Certificate to the Tenderer within **30 (thirty)** days from the date of the Tenderers approved statement.

The invoice shall be approved in accordance with the provisions of Foskor (Pty) Ltd.'s terms and conditions.

The invoice submitted is to be in a format acceptable to Foskor (Pty) Ltd.'s Project Representative and needs to contain the following minimum information:

- Company details, registration no and VAT registration no,
- Purchase Order no & Date of Invoice,
- Copy of Purchase Order,
- Detail description of work done to date,
- Value of the current claim and work done (excl. VAT),
- VAT charged.

#### **C.9 Standing Time**

Standing time is defined as a period measured in hours, when the Contractor's normal operational cycle is affected by causes caused by Foskor (Pty) Ltd and results in normal stoppage or major disruption to the regular progress of the Works.

Payment to the Contractor for standing time will be certified only where, in Foskor (Pty) Ltd.'s opinion, the delay was clearly beyond the reasonable control of the Contractor, and the Contractor further took all reasonable measures to avoid or reduce such delays, and such delay imposed direct costs on the Contractor.

#### **C.10 Progress of Works**

Should Foskor (Pty) Ltd at any time be of the opinion that the rate of progress of the Works or any part thereof is too slow to ensure the completion of the Works or any part thereof by the Completion Date, Foskor (Pty) Ltd shall so notify the Contractor in writing, with specific reference to this Clause, and the Contractor shall thereupon, subject to the approval of Foskor (Pty) Ltd take such steps as are necessary to expedite progress so as to complete the Works or the said part thereof by the Due Completion Date.

#### **C.11 Penalty**

If the Contractor, by the Due Completion Date, fails to complete the Works to the extent which entitles him to receive a Certificate of Practical Completion, the Contractor shall be liable to Foskor (Pty) Ltd for an amount of **0.1% for every Calendar Day that the works is late or such portion of the contract price as is associated with that part of the Works.**

The imposing of such penalty shall not relieve the Contractor from the obligation to complete the Works or from his obligations and liabilities under the Contract.

## **C.12 Claims: Extension of Time for Completion, Additional Payments or Compensation**

### **C.12.1 Claims Procedure**

The following provisions shall apply:

- i. Claims are to be submitted in writing within **7 days** after the circumstances, event, act or omission giving rise to such claim has arisen or occurred to the Foskor (Pty) Ltd Project Representative
- ii. Submit **written notice** to the Foskor (Pty) Ltd Project Representative with the intention to claim within **7 days** after the circumstances, event, act or omission giving rise to such claim has arisen or occurred. The Notice and subsequent claim to set out:
  - a. Particulars of the circumstance, event, act or omission giving rise to the claim concerned.
  - b. Provisions of the portion of the contract on which he intends to make the claim.
  - c. Length of extension of time, if any, claimed and the basis of calculation thereof, and
  - d. The Price Adjustment, if any, claimed and the basis of calculation thereof.
- iii. If the Contractor cannot reasonably comply with any of the provision above within the said period 14 days, he shall:
  - a. Notify the Foskor (Pty) Ltd Project Representative in writing of his intention to make the claim and comply with such requirements as he reasonably can.
  - b. Deliver additional information in writing that is reasonably required by Foskor (Pty) Ltd; and
  - c. Comply as soon as practical with such requirements as described above in this clause, within a time agreed to by the Foskor (Pty) Ltd Project Representative.
- iv. In the event of failure to comply with any of the provisions, the claim would not be accommodated and Foskor (Pty) Ltd would be discharged of all liability in connection with the claim.

### **C.12.2 Extension of Time for Completion**

The whole work shall be completed within the time agreed upon.

If any circumstances of any kind whatsoever may occur and as such, fairly entitle the Contractor to any extension of time for the completion of the works or portion thereof, then the Foskor (Pty) Ltd Project Representative will consider a claim duly submitted.

## **C.13 Cancellation of the Contract by Foskor (Pty) Ltd**

If:

- (a) (i) The estate of the Contractor shall be sequestrated (provisionally or finally), or
- (ii) The Contractor shall publish a notice of surrender of his estate as insolvent, or
- (iii) The Contractor, being a company or a close corporation, shall go into liquidation (provisionally or finally), or
- (iv) The Contractor shall assign the Contract without the consent in writing of Foskor (Pty) Ltd having first been obtained, or
- (v) The Contractor shall enter into a compromise with the general body of his creditors, or
- (vi) The Contractor shall have an execution levied on his goods, or
- (b) the Foskor (Pty) Ltd Project Representative shall certify in writing to Foskor (Pty) Ltd, and to the Contractor/Consultant, with specific reference to this Clause, that in his opinion the Contractor/Consultant:
  - (i) has abandoned or repudiated the Contract, or
  - (ii) has, without reasonable excuse, failed to commence the Works in terms of the time allowed and agreed to, or
  - (iii) has suspended the progress of the Works without due cause, or
  - (iv) has failed to proceed with the Works with due diligence, or
  - (v) is not executing the Works in accordance with the Contract, or
  - (vii) has, without the approval of the Foskor (Pty) Ltd Project Representative, subcontracted any part of the Contract, or
  - (viii) has failed to provide the Surety ship, Professional Indemnity within the time stipulated and for 14 days after receiving a written notice from the Foskor (Pty) Ltd Project Representative, referring specifically to the default concerned and to this Clause, failed to remedy the default,
- (c) Foskor (Pty) Ltd may, by writing notice to the Contractor, terminate the Contract and withhold **any** payments due until further notice.

#### **C.14 Urgent remedial work**

All designs changes or remedial action must be communicated to the Foskor Engineer or the authorized Foskor Designate. Approval of such must be sought and received as early as not to impose undue costs and delays. Should there however be remedial work necessary, the Contractor shall, upon approval from the Foskor Engineer/Designate, effect these with care, accuracy and speed, so as not to impose undue extension of time and /or cost.

If any remedial work as done by Foskor (Pty) Ltd is work which the Contractor was liable to do at his own expense under the Contract, all costs incurred by Foskor (Pty) Ltd in so doing

shall be determined by Foskor (Pty) Ltd or its agent and shall on demand be paid by the Contractor to Foskor (Pty) Ltd.

**C.15 Environmental Management Specifications**

To ensure that the construction works are designed for an environmentally sensitive area, strict compliance with the Environmental Management Plan (EMP) guidelines may be requested after appointment of the contractor.

The EMP shall be part of the terms of reference for all contractors/consultants, sub-contractors/consultants and suppliers.

A copy of the EMP requirements is available from Foskor (Pty) Ltd SHREQ department.

All MSDS's to be submitted to Foskor (Pty) Ltd.

Waste disposal needs to comply to Foskor (Pty) Ltd Waste Management Plan.

**C.16 OHS 1993 Health and Safety Specification**

This specification covers the health and safety requirements to be met by the successful Tenderer (Contractor) to ensure a continued safe and healthy environment for all workers, employees and subcontractors/consultants and for all other people entering the site of works.

This specification shall be read with the Occupational Health and Safety Act (Act No 85 and amendment Act No 181) 1993, and the corresponding Construction Regulations 2003, and all other safety codes and specifications referred to in the said Construction regulations.

**C.16.1 SHREQ Requirements**

The successful Tenderer will be required to comply and ensure continuous compliance with Foskor standards and national regulations:

- A safety plan for the work to be done by the contractor.
- The contractor must appoint a qualified Safety Officer with at least a Diploma in Safety Management or SAMTRAC or both either on a full-time or part-time basis to carry out the following responsibilities:
  - Conduct and submit an audit monthly.
  - Conduct and submit inspection monthly.
  - Compile and submit a monthly safety report to the Safety Department.
  - Perform safety talks and awareness training and submit evidence to Foskor.
  - Visibility on Site.
  - Conduct inspection on PPE and provide evidence to Foskor.
  - Continuously update Safety File.
  - Compliance with COP6 (Contractor Management).
  - Compliance and signing of Section 37(2) Agreement in terms of the OHSAct at the Foskor (Pty) Ltd Safety Department.

- Submission of a SHE Plan for approval to the Safety Department prior to commencement of work on site.
- A contractor submits a comprehensive task-based risk assessment that has acknowledged the Foskor baseline risk assessment and method statement.
- A contractor to appoint a full-time Supervisor to manage and supervise all the activities of his/her employer.
- All new work activities must have scope of work and communicated to Safety Department before starting with the work except for emergency breakdowns
- Compliance with Legislation requirements which includes the OHSAct, NEMA (National Environment Management Act) and other relevant applicable Legislation.

\* Copy of requirements available from Foskor SHREQ Department

## C.16.2 Health and Safety Induction

The successful Tenderer (Contractor) shall ensure that all employees under his control, including the subcontractors/consultants and their employees, undergo a health and safety induction training course by a Foskor competent person before entering site.

- a. The Contractor shall ensure all his/her personnel have attended the Safety Induction, by Foskor (Pty) Ltd before they enter site.
- b. The Contractor on entering site, must wear Foskor minimum required PPE at all times namely safety glasses, acid resistant overalls, safety harnesses (on heights), safety boots or steel cap gumboots, ear protection and **gas masks (Half mask double filter – screw type with filter type A1B1E1K1 – North Safety Product or similar approved product) and goggles (Uvex ultra vision – W1663459B – DIN CE 0196) preferably in a pouch**. Should a Contractor be found on site without the above-mentioned safety clothing, he will be removed from site and will not be allowed to return. FFP3 dust mask fitted with an exhalation valve must be used when working in dust in on the B&D Store.
- c. **Overalls must be Blue Sweet Orr overall (80% Polyester 20% Viscose Rayon Acid repellent) with Company names either on front of jacket or back OR Blue North Safety Acid/Flame overall (Flame retardant acid resistant anti-static ATPV 15.4CAL/CM2) with company names either on front of jacket or back and fluorescent reflective strips to be stitched onto sleeves and on the knees.**
- d. The Contractor shall demarcate the relevant work area. The Contractor shall supply and erect an appropriate name board with all relevant information and contact details at the work area.
- e. The job risk assessment shall be carried out at the start of each shift. This risk assessment shall cover all activities planned for the relevant shift. The risk



assessment shall be submitted to Foskor (Pty) Ltd at the start of each day shift and each night shift.

- f. The Contractor must take safety precautions when working on site.
- g. The Contractor must remove all their equipment within 48 hours after project completion/closure.
- h. A complete safety file is to be submitted to Foskor (Pty) Ltd Safety Department before any work commences.
- i. The Contractor's vehicle when entering the Plant must have rotating orange lights always switched on.
- j. **The Contractor and their employees must undergo a full medical at either Foskor (Pty) Ltd.'s Clinic or Caredoc Richards Bay or their approved by Foskor (Pty) Ltd. A full lung function test must be done. If a project is longer than twelve months, then a complete medical including lung function tests must be done again and thereafter the lung function test. Medical certificates are valid for one year only. For medical costs and bookings please contact Sister Larna Pieterse at Foskor (Pty) Ltd Clinic on 035 902 3287.**
- k. A once-off fee is also required for access cards from Foskor Security. Please contact the Foskor (Pty) Ltd Security Reception on 035 902 3267 for information.
- l. No access to elevated platforms, roof and scaffolding will be allowed during rainy days.

#### MANDATORY AS ENVISAGED BY SECTION 37(2) OF THE ACT

By the submission of a tender, any tenderer will, if awarded the contract to which this tender document relates, be deemed to be mandatory as envisaged by Section 37 (2) of the Act.

As a mandatory the successful tenderer will be deemed to be the "principal contractor" and an employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the service to which this tender document relates, all work will be performed in accordance with the Act.

It is further noted that: -

- a) The Contractor shall comply with all Foskor Regulations and Safety Standards.
- b) The Contractor shall fully comply with the OHS Act (Act 85 of 1993).

#### **IMPORTANT NOTE**

The above is a summary of some of matters as defined in the Act. The successful Tenderer (Contractor) is required and advised in his own interest to make a careful study of the Act and the Construction regulations.

Ignorance of the Act and the Regulations will not be accepted in any proceedings, as valid reason if non-conformance to the Act and the Regulations are committed.

**C.17. Applicable General Conditions of Contract**

Unless expressly otherwise indicated, Foskor General Conditions of Contract and the FIDIC terms of Contract would apply, and is available from the Manager Procurement Foskor Richards Bay.

**C.18. Quality Management**

The successful Tenderer is to adhere to Foskor (Pty) Ltd.'s Quality Management System and specifications incorporated in this Tender Document.

To ensure that all installations are carried out in a controlled manner, the Contractor shall demonstrate this by means of the internal quality system, which shall include as a minimum a QCP for each piece of equipment. The QCP must be approved by Foskor before commencement of any work.

**C.18.1 Quality Control:**

- i. A detailed QCP (Quality Control Plan) shall be submitted within 7 days of contract award.
- ii. Quality of work must be always monitored and controlled at a high level.
- iii. At each hold and witness point all work shall be suspended until the specified inspection has been completed and the QCP updated and signed accordingly by Foskor (Pty) Ltd or its representative.
- iv. At each milestone, the designated Foskor (Pty) Ltd Quality Representative must approve of the quality and standard of work being produced.
- v. It shall be the responsibility of the Successful Tenderer (Contractor) to give Foskor (Pty) Ltd timely notice of hold and witness points requiring their intervention.

## C.19 Bill of Quantities



PROJECT NAME: B PLANT BOILER NO.1 REPLACEMENT  
PROJECT NUMBER:  
CONTRACT NUMBER:  
PROJECT LEADER: SIPHIWE NTULI  
PROJECT CLIENT: ACID DIVISION: OPERATIONS

STAGE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>FIXED AND FIRM FEES</b>					
<b>As defined in the Scope of Work</b>					
<b>1</b>	<b>Preliminary &amp; General</b> • Medical, Induction, and badging • Safety file and safety plan • Installation of health & safety controls and PPE (OHSE Officer) • HIRA and Work Permits, etc. • Supervision, etc.	Sum	1		R
<b>2</b>	<b>Obtain Approval of Drawings for Construction</b>	Sum	1		R
<b>3</b>	<b>Supply Material, Fabricate, and Transport Boiler no.1 Dome to Site</b>	Sum	1		R
<b>4</b>	<b>Remove Old Boiler Dome,Cut &amp; Dispose at Foskor Designated Area</b>	Sum	1		R
<b>5</b>	<b>Surface Prep &amp; Install new B Plant Boiler no.1 Dome</b>	Sum	1		R
<b>6</b>	<b>Submit As-Built Drawings</b>	Sum	1		R
<b>Sub-Total:</b>					R

### TENDER SUMMARY

Sub Total

Vat

TOTAL:



## Section D: Technical Evaluation Criteria

Sulphuric B Plant Boiler No.1 Dome Replacement			
Mandatory Requirements: Bid submission not meeting these requirements will result in bid being disqualified.			
1	Submission of Certified and Registered SAIW Welding and Fabrication Inspector Level 2 Inspector - Proof of the Certificate is required		
2	Submission of the CIDB BME Registration Certificate for the principal contractor-Proof of the certificate is required.		
3	Submission of proof for ISO 3834 Certification - Proof of the Certificate is required		
Technical Evaluation Criteria for this Tender which excludes Commercial Evaluation:			
No	Technical Criteria Description	% Contribution	Proof / documents to be submitted
1	Experience & Team Competence		
a)	Company - Previous experience with similar task Scoring: Less (<) than 1 year experience = 0 ≥ 1 year < 5 years = 5% ≥ 5 years < 10 years = 10% > 10 years = 15%	15%	Give reference list of projects (in a tabular format), with values and client contact numbers for verification.
b)	Company capacity regarding project team and resources in alignment with contract as per B.3 Scoring: If no resource provided =0%; If resource provided are in alignment with B.3 =15%	15%	Provide contractor team organogram indicating names, positions, and trade
2	Company Delivery Capacity & Reliability		
a)	Company Delivery Times - Execute construction according to a pre-approved WBS / Project Schedule/ Milestones/ Bar Chart/Gantt Chart Scoring: No Schedule = 0 %; 2 to 4 Months = 25%;	25%	Are the delivery times/ project programme and duration acceptable? Milestone breakdown provided. Refer to B.2
3	Scope of Work Compliance		
a)	Adherence to Scope of Work and its Specifications, and especially the ASME VIII Standard. Scoring: No work methodology = 0 %; Full scope adherent well documented methodology = 15%	15%	Provide and submit relevant preliminary high level Work Methodology that considers the construction of boiler dome and It highlights essential details.
b)	Provide Quality Control Plan Scoring: No quality control plan = 0 %; Comprehensive quality control plan = 15%	15%	Provide and submit quality control plan relevant to the work methodology.
4	Safety Requirement		
a)	Provide Safety Management Plan Scoring: No Safety Management Plan = 0 %; Comprehensive, well-defined safety plan = 5%	5%	Provide and submit Safety Management Plan that includes Health and safety policies, Safety training records, Incident reporting and emergency plans.
b)	Provide Safety Officer Experience Scoring: Experience < 5 years=0% Experience > 5 years =5%	5%	Provide and submit CV of the safety officer detailing involvement in heavy engineering environment
c)	Provide Qualification of Safety Officer & SACPCMP Registration Scoring : No proof of Registration =0% Proof of Registration =5%	5%	Provide proof of SACPCMP registration
Total Technical Score		100%	
Note: 70% will be minimum required to be considered for this tender			
DISQUALIFICATION CRITERIA**			
1 Mandatory requirement not submitted			
2 Incomplete priced Bill of Quantities (e.g. omission of unit rate/price etc)			
3 Compulsory site visit not attended			
4 No submission of safety requirements			

